

CLAIMS

1. A flash device comprising:
 - a flash unit;
 - a electromagnetic valve;
 - a spring for unfolding said flash unit out;
 - a shaft with two ends, a first end connected to said spring and reacted to motion of said spring, and a second end as a clip used to withhold said flash unit;
 - a buckle clipped by said clip when said flash unit is shut; and
 - a pusher used to push said shaft when said flash unit being press to shut.
2. The flash device of claim 1, wherein said flash unit is a built-in flash unit.
3. The flash device of claim 2, wherein said built-in flash unit pops up when insufficient illumination is detected.
4. The flash device of claim 2, wherein said built-in flash unit is able to pop up manually.
5. The flash device of claim 1, wherein said electromagnetic valve is a one-way electromagnetic valve.
6. The flash device of claim 5, wherein said one-way electromagnetic valve is placed at a normal close position by magnetic force.
7. The flash device of claim 1, wherein elasticity of

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said spring is between a holding force and a releasing force of said electromagnetic valve.

8. The flash device of claim 7, wherein said elasticity is the force that drives the iron core of said electromagnetic valve outwards and makes said flash unit open.

9. The flash device of claim 1, wherein an external force is needed to press said flash unit down to close said flash unit.

10. The flash device of claim 9, wherein a gap between said shaft and said pusher is needed when said flash unit is close, otherwise said flash unit is unable to open again.